



PTO/SB/03a/b (08-03)
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Substitute for form PTO/SB/03a/b INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/824689-Conf. #8065		
		Filing Date	April 14, 2004		
		First Named Inventor	Arthur D. Ballard		
		Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	1	Attorney Docket Number	10884-00008-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GR	AA	US-2004/0180083	09-16-2004	Shiraishi	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

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		Number-Kind Code ² (if known)			
SK	AA*	US-2005/0037064	02-17-2005	Basquin et al.	
	AB	US 6,340,473	01-22-2002	Tanner et al.	
SK	AC	US 6,582,727	06-24-2003	Tanner et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
SK	BA	JP-01-143827	06-06-1989	Fuji Capsule K.K.		
	BB	JP-05-43471	02-23-1993	Alfa Wasserman Spa		
	BC	JP-09-25228	01-28-1997	Eisai Co., Ltd.		
	BD	JP-2001-39863	02-13-2001	Fuji Oil Co., Ltd.		
	BE	JP-2003-299714	10-21-2003	Fuji Capsule KK		
	BF	JP-2003-504326	02-04-2003	R. P. Scherer Technologies, Inc.		See BK
	BG	JP-2004-167084	06-17-2004	Ina Food KK		
	BH	JP-2005-112849	04-28-2005	Fuji Capsule KK		
	BI	JP-2005-508359	03-31-2005	Innogen AG		
	BJ	JP-2005-513255	05-12-2005	Ulice and Pierre Fabre Medicament		See AA
	BK	WO-01/03677	01-18-2001	R. P. Scherer Technologies, Inc.		
SK	BL	WO-03/035044	05-01-2003	Innogen AG		

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SK	CA	JP01-143827 - English Abstract (Micropatent) and partial English translation	
	CB	JP05-43471 - English Abstract (Micropatent) and partial English translation	
	CC	JP09-25228 - English Abstract (Micropatent) and partial English translation	
	CD	JP2001-39863 - English Abstract (Micropatent) and partial English translation	
	CE	JP2003-299714 - English Abstract (Micropatent) and partial English translation	
	CF	JP2004-167084 - English Abstract (Micropatent) and partial English translation	
	CG	JP2005-112849 - partial English translation	
SK	CH	JP2005-508359 - partial English translation	

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Sheet	1	of	4
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SR	AA	2,802,000	8/6/1957	Caldwell et al.	
	AB	2,813,093	11/12/1957	Caldwell et al.	
	AC	2,825,727	3/4/1958	C. G. Caldwell	
	AD	2,876,217	3/3/1959	E. F. Paschall	
	AE	3,058,827	10/16/1962	J. L. Graham	
	AF	3,094,517	6/18/1963	N. F. Stanley	
	AG	3,176,003	3/30/1965	D. J. Stancioff	
	AH	3,329,509	7/4/1967	A. Julius	
	AI	3,378,546	4/16/1968	T. Tsuzuki	
	AJ	3,499,962	3/10/1970	Warzburg et al.	
	AK	3,505,110	4/7/1970	Kesler et al.	
	AL	3,607,394	9/21/1971	F. J. Germino et al.	
	AM	3,865,603	2/11/1975	Szymanski et al.	
	AN	4,009,291	2/22/1977	Mitchell et al.	
	AO	4,026,986	5/31/1977	Christen et al.	
	AP	4,129,134	12/12/1978	Hind et al.	
	AQ	4,231,803	11/4/1980	Bovier et al.	
	AR	4,276,320	6/30/1981	A. Moirano	
	AS	4,600,439	7/15/1986	Schneider et al.	
	AT	4,615,897	10/7/1986	Brown et al.	
	AU	4,626,288	12/2/1986	Trzasko et al.	
	AV	4,632,848	12/30/1986	Gassett et al.	
	AW	4,643,894	2/17/1987	S. C. Porter et al.	
	AX	4,725,441	2/16/1988	S. C. Porter	
	AY	4,738,724	4/19/1988	Wittwer et al.	
	AZ	4,795,642	1/3/1989	Cohen et al.	
	ABA	4,828,841	5/9/1989	S. C. Porter	
	ABB	4,935,243	6/19/1990	Borkan et al.	
	ABC	5,089,307	2/18/1992	H. Ninomiya et al.	
	ABD	5,146,730	9/15/1992	Sadek et al.	
	ABE	5,224,989	7/6/1993	Eva Likarova	
	ABF	5,334,640	8/2/1994	Desai et al.	
	ABG	5,342,626	8/30/1994	P. E. Winston, Jr. et al.	
	ABH	5,451,673	9/19/1995	Fishman et al.	
	ABI	5,484,598	1/16/1996	Schurig et al.	
	ABJ	5,549,983	8/27/1996	J. Yamanis	
	ABK	5,525,368	6/11/1996	Rha et al.	
	ABL	5,550,178	8/27/1996	Desai et al.	
	ABM	5,554,385	9/10/1996	N. Stroud	
	ABN	5,587,412	12/24/1996	G. Bochers et al.	
	ABO	5,620,757	4/15/1997	H. Ninomiya et al.	
	ABP	5,646,206	7/8/1997	D. R. Coffin et al.	
	ABQ	5,656,294	8/12/1997	Friend et al.	
	ABR	5,672,699	9/30/1997	R. L. Billmers et al.	
SR	ABS	5,726,008	3/10/1998	J. E. Maskasky	

Examiner Signature	<i>Jim Pagan</i>	Date Considered	28 Feb 2006
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			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
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SR	ABT	5,804,243	9/8/1998	Loh et al.	
	ABU	5,811,388	9/22/1998	Friend et al.	
	ABV	5,817,323	10/6/1998	Hutchinson et al.	
	ABW	5,932,639	8/3/1999	Eden et al.	
	ABX	5,976,586	11/2/1999	L. Feller	
	ABY	6,030,641	2/29/2000	Yamashita et al.	
	ABZ	6,063,915	5/16/2000	Hansen et al.	
	ACA	6,066,368	5/23/2000	Billmers et al.	
	ACB	6,143,324	11/7/2000	Michaud et al.	
	ACC	6,146,570	11/14/2000	A. J. Stern	
	ACD	6,210,709	4/3/2001	Laba et al.	
	ACE	6,214,376	4/10/2001	A. Gennadios	
	ACF	6,331,205	12/18/2001	L. Paris	
	ACG	6,375,981	4/23/2002	G. M. Gilleland et al.	
	ACH	6,387,354	5/14/2002	Bixler et al.	
	ACI	6,479,649	11/12/2002	Tsai et al.	
	ACJ	6,517,865	2/11/2003	Cade et al.	
	ACK	6,528,088	3/4/2003	Gilleland et al.	
	ACL	6,607,748	8/19/2003	V. Lenaerts et al.	
	ACM	6,649,188	11/18/2003	Gilleland et al.	
	ACN	6,790,495	9/14/2004	Tomka et al.	
	ACO	2002/0081331	6/27/2002	K. E. Tanner et al.	
	ACP	2002/0142031	10/3/2002	G. M. Gilleland et al.	
	ACQ	2003/0138482	7/24/2003	L. G. Fonkwe et al.	
	ACR	2004/0087669	5/6/2004	S. Hausmanns et al.	
	ACS	2005/0069579	3/31/2005	R. Kamaguchi et al.	
	ACT	2005/0070703	3/31/2005	R. Muller et al.	
SR	ACU	2005/0163833	7/28/2005	R. Muller	

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Examiner Initials*	Cite No.†	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code‡	Number⁴-Kind Code⁵ (if known)			
SR	BA	EP	0 169 319	1/29/1986	Berwind Pharmaceutical Services, Inc.	
	BB	EP	0 400 484	12/5/1990	Mitsubishi Rayon Co., LTD	
	BC	EP	0 408 503	1/16/1991	Warner-Lambert Company	
	BD	EP	0 409 781	1/23/1991	Warner-Lambert Company	
	BE	EP	0 409 782	1/23/1991	Warner-Lambert Company	
	BF	EP	0 409 788	1/23/1991	Warner-Lambert Company	
	BG	EP	0 471 558	2/19/1992	Unilever NV	
	BH	EP	0 547 551	6/23/1993	National Search and Chemical Investment Holding Corporation	
	BI	EP	0 606 486	7/20/1994	Teijin Limited	
	BJ	EP	0 622 408	11/2/1994	CP Kelco ApS	
	BK	EP	0 633 896	1/18/1995	National Search and Chemical Investment Holding Corporation	
SR	BL	EP	0 761 691	3/12/1997	National Search and Chemical Investment Holding Corporation	

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Sheet	3	of	4	Attorney Docket Number	10884-00008-US

SR	BM	JP 5-4914	1/14/1993	Asahi Chemical Ind; Fuji Capsule KK	
	BN	JP 7-196478	8/1/1995	Sugii Hajime	
	BO	WO 94/25493	11/10/1994	The United States of America	
	BP	WO 97/49762	12/31/1997	Oy Polymer Corex Kuopio Ltd.	
	BQ	WO 99/07347	2/18/1999	Paris, Laurence	
	BR	WO 00/10538	3/2/2000	Banner Pharmacaps, Inc.	
	BS	WO 00/18835	4/6/2000	Warner-Lambert Company	
	BT	WO 01/37817	5/31/2001	Greither, Peter	
SR	BU	WO 01/91721	12/6/2001	A. E. Staley Manufacturing Co.	

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SR	CA	de Vries J., "Interaction of carrageenan with other ingredients in dairy dessert gels", Gums and stabilisers for the food industry 11: proceedings of the 11th conference, Wrexham, vol. 11 (2002), no. -, pages 201-210, July 2001		
	CB	R. Falshaw et al., "Structure and performance of commercial K-2 carrageenan extracts", Food Hydrocolloids, vol. 17, pages 129-139, 2003		
	CC	FMC BioPolymer, "Carrageenan Matrices for Entrapment", Issue No. 1, April 1993		
	CD	Henry J. Witt, "Carrageenan Nature's Most Versatile Hydrocolloid", pages 347-360, 1985		
	CE	Glicksman, M., "Gum Technology in the Food Industry", Academic Press, pages 213-228, 1969		
	CD	C. J. Lawson et al., "Carrageenans", J.C.S. Perkin I, pages 2177-2182, 1973		
	CE	H. J. Bixler, "Recent developments in manufacturing and marketing carrageenan", Hydrobiologia, pages 35-57, 1996		
	CF	M. C. Matulewicz et al., "Carrageenan Systems from Tetrasporic or Cystocarpic Stages of Gigartina Skottsbergii", Phytochemistry, vol. 28, pages 2937-2941, 1989		
	CG	M. C. Matulewicz et al., "Methylation Analysis of Carrageenans from Tetrasporic and Cystocarpic Stages of Gigartina Skottsbergii", Phytochemistry, vol. 29, no. 11, pages 3407-3410, 1990		
	CH	C. Rochas et al., "Relation Between the Molecular Structure and Mechanical Properties of Carrageenan Gels", Carbohydrate Polymers, vol. 10, pages 115-127, 1989		
	CI	Stancioff, D. J. and Stanley, N. F., "Infrared and Chemical Studies on Algal Polysaccharides", Prod. Intl. Seaweed Symp. 6, pages 595-609, 1969		
	CJ	Bellion, C. et al., "Analysis of Kappa-Iota Hybrid Carrageenans with Kappa-Carrageenase, Iota-Carrageenase and ¹³ C N.M.R.", Xth International Seaweed Symposium, Walter de Gruyter & Co., Berlin-New York, pages 379-384, 1981		
	CK	Peats, S., "The Infrared Spectra of Carrageenans Extracted from Various Algae", Xth International Seaweed Symposium, Walter de Gruyter & Co., Berlin-New York, pages 495-502, 1981		
SR	CL	JP 5-4914 English language Abstract (espace.net)		
	CM	JP 7-196478 English language Abstract (European Patent Office)		

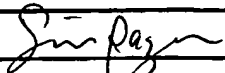
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SR	AA*	US-2005/0089548	04-28-2005	Virgalitto et al.	

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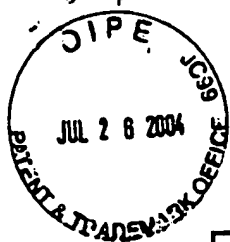
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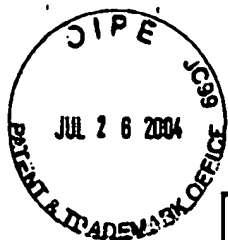
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SR		3,962,482	6/8/1976	Uniroyal, Ltd.	
		3,956,173	5/11/1976	Hercules Incorporated	
		4,443,486	4/17/1984	FMC Corporation	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
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Examiner Signature	<i>Jim Ryzner</i>	Date Considered	28 Feb 2006
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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete If Known	
		Application Number	1024689 10 824689
		Filing Date	April 14, 2004
		First Named Inventor	Arthur D. Ballard
		Art Unit	N/A
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	10884-00008-US
Sheet	2	of	2

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/824689
				Filing Date	April 14, 2004
				First Named Inventor	Arthur D. Ballard
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	10884-00008-US

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁴ -Number ⁴ -Kind Code ⁵ (if known)				
SR		JP 60-55039	03-29-1985	Mitsubishi Acetate Co., Ltd.		X

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Examiner Signature	<i>Sim Rasmussen</i>	Date Considered	28 Feb 2006
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